

ADAPTIVE BIT RATE TRANSPONDER

Jing W. Jiang

Xiaojun Fang

Robert J. Deri

Lawrence J. Pelz

Abstract

A technique for communicating a change in bit rates that dependent transponders should each transfer. In one implementation, an upstream transponder outputs a specific frequency communications signal to a downstream transponders. The downstream transponder reacts to receipt of the specific bit rate by requesting new bit rate window information. The upstream transponder communicates such new bit rate window. Thereafter both the upstream and downstream transponders transfer payloads of signals having bit rates within the programmed bit rate windows.

21660/05933/DOCS/1159452.3